

Page 26 — Square and Cube Numbers

- 1) $16 = 4 \times 4$, so the next two square numbers are $5 \times 5 = 25$ and $6 \times 6 = 36$. (1 mark)

- 2) **1, 8 and 27** should be circled. (1 mark)

- 3) $3^3 = 3 \times 3 \times 3 = 27$
 $5^2 = 5 \times 5 = 25$
 $27 - 25 = 2$.
So he is thinking of **27** and **25**. (1 mark)

- 4) $6^2 = 6 \times 6 = 36$
 $4^3 = 4 \times 4 \times 4 = 64$
 $36 + 64 = \mathbf{100}$ (1 mark)

YES should be circled — 100 is a square number. (1 mark)

NO should be circled — 100 is not a cube number. (1 mark)